

ABSTRACT OF THE DISCLOSURE

A position is obtained from a command movement for a controlled axis. The position of a virtual axis with respect to time and an I/O signal are obtained.

5 The position of the controlled axis and the state of the I/O signal are stored in association with the position of the virtual axis, and cam shape data and I/O signal state data are obtained. During an electronic cam operation, the virtual axis position is

10 controlled by means of virtual axis control means. Corresponding to the position of the virtual axis, the position of the controlled axis or the I/O signal state is read from the cam shape data and the I/O signal state data and outputted, whereby the controlled axis

15 is driven.